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	MEASUREMENT OF LOW VAPOR PRESSURES AT HIGH TEMPERATURES	
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	A. Granovskaya, A. Lyubimov Moscow Steel Institute Chair of General Chemistry, Chair of Physics Submitted 22 July 1947	
	Source: Zhurnal Fizicheskoy Khimii, XXII, No 4, 1948, pp 527-528	
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MEASUREMENT OF LOW VAPOR PRESSURES AT

HIGH TEMPERATURES

II THE PRESSURE OF TIN VAPOR

A. Granovskaya, A. Lyubimov, Moscow Steel Institute, Chair of General Chemistry, Chair of Physics Submitted 22 July 1947

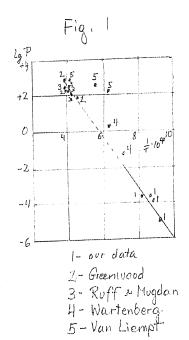
A comparatively large number of investigations connected with the experimental determination of the vapor pressure of metallic tin has been conducted. The earlier experimental investigations of Greenwood [17, Mott [27, Wartenberg [37], and the later ones of investigations of Greenwood [17, Mott [27], Wartenberg [37], and the later ones of investigations of Greenwood [17], Mott [27], Wartenberg [37], and the later ones of van Liempt [47] and of Ruff and his associates [5, 67] included the temperature range from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.1. They are from the boiling point (2260 to 2280°C) to 1200°C. These data are shown in Fig.

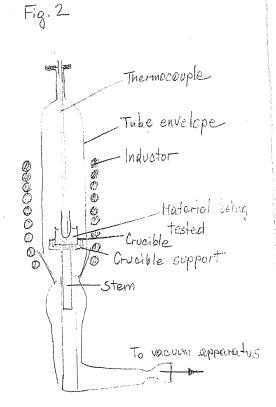
We wanted to measure the vapor pressure of tin more exactly and at lower temperatures. For that purpose, we took advantage of a method we developed and which is described in the previous report [8] for measuring the vapor pressure of bismuth in a temperature range from 170 to 700°C. However, at 500°C, tin has such low vapor pressure, that measuring it with any accuracy by the previously dependent method was impossible. We measured the vapor pressure of tin in the range from 730 to 950°C. For this purpose, several design changes were introduced into the described apparatus.

The data obtained in the measurements are shown in Trivitex2 the table. They ware also included in Fig. 1.

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± 00	I .K	P mm Hg
t °C	1003	1.42 • 10-6
730	1085	7.51 · 10 ⁻⁵
812	11.53	1.73 • 10-4
880	1163	2.32 • 10-4
890		3.01 • 10-4
940	E23 3	<u> </u>





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